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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT, JS 98/14864

A. CLASSIFICATION OF SUBJECT MATTER

|       |           |           |           |           |           |
|-------|-----------|-----------|-----------|-----------|-----------|
| IPC 6 | C12N15/12 | C07K14/47 | C12Q1/68  | C12N15/62 | C07K19/00 |
|       | C12N5/10  | G01N33/50 | A61K48/00 | A61K38/17 | C07K16/18 |

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 C12N C07K C12Q G01N A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|----------|--|-----------------------|
| X        | EP 0 679 716 A (MATSUBARA KENICHI; OKUBO KOUSAKU (JP)) 2 November 1995<br>see page 1 - page 9<br>Seq.ID:3277 is 100% identical to Seq.ID:1 nt.2581-2742<br>see page 1063<br>---                        | 22-27                 |
| X        | Database EMBL:Emest14, entry HSZZ74011,<br>Accession number AA368885<br>18 April 1997<br>95% identity with Seq.ID:1 nt.755-1030<br>reverse orientation<br>XP002080711<br>see the whole document<br>--- | 27,30,31<br>-/-       |

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

|   |  |
|---|--|
| Date of the actual completion of the international search   | Date of mailing of the international search report |
| 15 October 1998   | 19.10.98   |
| Name and mailing address of the ISA   | Authorized officer                                 |
| European Patent Office, P.B. 5818 Patentlaan 2<br>NL - 2280 HV Rijswijk<br>Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,<br>Fax: (+31-70) 340-3016 | Macchia, G   |

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|----------|---|-----------------------|
| X        | Database EMBL:Emest15, entry MMA32996,<br>Accession number AA032996<br>24 August 1996<br>99% identity with Seq.ID:43 nt.835-1346<br>XP002080715<br>see the whole document<br>---                                    | 31                    |
| A        | WO 96 39429 A (WHITEHEAD INSTITUTE FOR<br>BIOMEDICAL RES (US); SCHERER P.E.; LODISH<br>H.F.) 12 December 1996<br>cited in the application<br>---  |                       |
| A        | NAKANO Y. ET AL.: "Isolation and<br>characterization of GBP28, a novel<br>gelatin-binding protein purified from<br>human plasma"<br>JOURNAL OF BIOCHEMISTRY,<br>vol. 120, 1996, pages 803-812, XP002080710<br>----- |                       |

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/US 98/14864

| Patent document cited in search report | Publication date | Patent family member(s) |  | Publication date |
|--|------------------|-------------------------|--|------------------|
| EP 0679716 A                           | 02-11-1995       | AU 8116494 A            |  | 13-06-1995       |
|  |                  | CA 2153480 A            |  | 01-06-1995       |
|  |                  | WO 9514772 A            |  | 01-06-1995       |
| WO 9639429 A                           | 12-12-1996       | NONE                    |  |                  |